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(19) **United States**(12) **Patent Application Publication**
Karpenstein(10) **Pub. No.: US 2002/0118848 A1**(43) **Pub. Date: Aug. 29, 2002**(54) **DEVICE USING ANALOG CONTROLS TO
MIX COMPRESSED DIGITAL AUDIO DATA**(52) **U.S. Cl. 381/119**(76) **Inventor: Nissim Karpenstein, Brooklyn, NY
(US)**

Correspondence Address:

Steven Horowitz**Counselor At Law****Suite 700****295 Madison Avenue****New York, NY 10017 (US)**(21) **Appl. No.: 09/794,183**(22) **Filed: Feb. 27, 2001****Publication Classification**(51) **Int. Cl.⁷ H04B 1/00**(57) **ABSTRACT**

Device includes a disc jockey mixing console with analog controls, crossfader and scratchpad and is used to mix audio tracks from compressed digital audio data sound recordings. One device substitutes for mixing console, turntables and records. For compressed digital audio data recordings, analog controls allow far superior manual dexterity for adjustment of volume and speed when mixing audio tracks as compared to digital mouse. Includes two audio outputs—a headphone and a main speaker output—having digital to analog converters, analog controls in the form of knobs and sliders, a touch screen LCD panel for selecting and queuing songs and a computer with a processor, ROM storage means, RAM storage means, software and a hard disc to store audio track files. Optional interface between device and personal computer to upload songs, audio input and CD ROM drive for converting audio to compressed digital audio data.

